

## **CITY OF BURBANK**

### **TRAFFIC SIGNAL OPERATIONS SPECIALIST**

#### **DEFINITION**

Under supervision, to perform work related to traffic data collection, traffic signal timing, traffic signal coordination, and traffic system monitoring; and perform related work as required.

#### **ESSENTIAL FUNCTIONS**

Collects data, designs, analyzes, and implements traffic signal timing and traffic signal coordination parameters; coordinates exchange data with other local and regional traffic control centers through the Los Angeles County Information Exchange Network; analyzes and installs specialized traffic signal operations and systems for Intelligent Transportation System (ITS) components at the Transportation Management Center (TMC); gathers, organizes, analyzes, and archives traffic data collected by the ITS systems; prepares operations plans for closed circuit television, and Dynamic Message Sign systems; prepares design plans, specifications, and cost estimates for the modification and alteration of the TMC; operates a variety of electronic and computerized traffic signal operating control and test equipment; schedules and manages work of technical or professional contractors to implement or modify TMC systems and components; assists in the inspection and monitoring of contract work on ITS equipment; maintains records and information on the operation of various traffic control systems; maintains and operates the TMC; prepares reports and maintains records of the TMC operations as required; drives on City business.

#### **MINIMUM QUALIFICATIONS**

##### **Employment Standards:**

- Knowledge of – the fundamentals of electronics, physics, and network telecommunication systems; current State of California standards for construction and operation of traffic signals.
- Skill in – operating calculators and engineering software related to the design and operation of traffic signals; operating standard tools and electronic equipment to test and maintain ITS devices.
- Ability to – prepare and understand traffic engineering drawings, plans, and specifications; comprehend electric logic diagrams, electrical drawings and specifications; learn and operate Time Domain Reflectometer and Optical Time Domain Reflectometer; test traffic signal communications systems; keep and maintain accurate records; communicate effectively both orally and in writing; establish and maintain effective working relationships with supervisors and fellow employees.

**Education/Training:** Graduation from an accredited college or university with a Bachelor's degree in engineering, physics, computer science, information technology or related field and one year of experience in traffic signal timing and operations, and/or traffic signal maintenance OR graduation from high school or equivalent and five years of current experience in traffic signal timing and operations, and/or traffic signal maintenance.

**Special Conditions & Requirements:** The physical ability to lift up to 30 pounds.

**License & Certificates:** A valid California Class "C" driver's license or equivalent at time of appointment and International Municipal Signal Association (IMSA) Traffic Signal Technician Level I certification within one year of appointment.

#### **SUPPLEMENTAL INFORMATION**

**Desirable Qualifications:** IMSA Traffic Signal Technician Level II certification.